

Title (en)
Medical device, in particular surgical stapling and cutting device

Title (de)
Medizinische Vorrichtung, insbesondere chirurgische Klammer- und Schneidvorrichtung

Title (fr)
Dispositif médical, en particulier, un dispositif de découpe et d'agrafage chirurgical

Publication
EP 2238916 A3 20130102 (EN)

Application
EP 10007212 A 20060725

Priority

- EP 06800296 A 20060725
- US 70264305 P 20050726
- US 76000006 P 20060118
- US 81195006 P 20060608
- US 49162606 A 20060724

Abstract (en)
[origin: US2007027469A1] A medical device includes a control handle having an articulation joint actuator, a surgical end effector, and a passive articulating joint connecting the end effector to the control handle. The articulation joint actuator, when unactuated, holds the passive articulation joint and, thereby, the end effector, in a substantially fixed articulation position, and, when actuated, releases the passive articulation joint into a freely articulating state to permit free articulation of the end effector with respect to the control handle dependent upon external forces acting upon the end effector. A method for operating the end effector includes retaining the passive articulation joint in a stable position with an articulation lock and actuating a release of the articulation lock to unlock the passive articulation joint and, thereby, permit articulating motion of the end effector through the passive articulation joint dependent upon the external forces acting upon the end effector.

IPC 8 full level
A61B 17/068 (2006.01); **A61B 17/072** (2006.01); **A61B 17/29** (2006.01); **A61B 19/00** (2006.01)

CPC (source: EP US)
A61B 17/068 (2013.01 - US); **A61B 17/072** (2013.01 - US); **A61B 17/07207** (2013.01 - EP US); **A61B 17/00234** (2013.01 - US); **A61B 17/115** (2013.01 - US); **A61B 2017/003** (2013.01 - US); **A61B 2017/00389** (2013.01 - EP US); **A61B 2017/07214** (2013.01 - US); **A61B 2017/07271** (2013.01 - EP US); **A61B 2017/07285** (2013.01 - US); **A61B 2017/2927** (2013.01 - EP US); **A61B 2017/2931** (2013.01 - EP US); **A61B 2017/320052** (2013.01 - EP US)

Citation (search report)

- [A] EP 0216532 A1 19870401 - UNITED STATES SURGICAL CORP [US]
- [A] US 5348259 A 19940920 - BLANCO ERNESTO E [US], et al
- [A] US 4566620 A 19860128 - GREEN DAVID T [US], et al
- [AD] US 5673840 A 19971007 - SCHULZE DALE R [US], et al
- [AD] US 5797537 A 19980825 - OBERLIN JEFFREY R [US], et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2007027469 A1 20070201; US 8579176 B2 20131112; AT E473696 T1 20100715; AU 2006275954 A1 20070208; AU 2006275954 B2 20090108; AU 2009201372 A1 20090430; AU 2009201372 B2 20120301; AU 2012203254 A1 20120621; AU 2012203254 B2 20141218; AU 2015201382 A1 20150402; AU 2015201382 B2 20160623; AU 2015201382 C1 20161110; AU 2016231599 A1 20161013; AU 2016231599 B2 20170928; AU 2017200876 A1 20170316; AU 2017200876 B2 20170928; AU 2017276347 A1 20180118; AU 2017276347 B2 20190117; AU 2019202397 A1 20190502; AU 2019202397 B2 20210429; BR PI0614175 A2 20110315; BR PI0614175 B1 20181009; BR PI0614175 B8 20210622; CA 2617299 A1 20070208; CA 2617299 C 20091208; CA 2680860 A1 20070208; CA 2680860 C 20130528; CA 2810329 A1 20070208; CA 2810329 C 20161115; CA 2915037 A1 20070208; CA 2915037 C 20190219; CA 3026517 A1 20070208; CA 3026517 C 20220301; CN 101500498 A 20090805; CN 101500498 B 20121205; CN 103181808 A 20130703; CN 103181808 B 20160323; DE 602006015474 D1 20100826; EP 1909652 A2 20080416; EP 1909652 A4 20100203; EP 1909652 B1 20100714; EP 2223659 A2 20100901; EP 2223659 A3 20110504; EP 2223659 B1 20171206; EP 2238916 A2 20101013; EP 2238916 A3 20130102; EP 2502571 A2 20120926; EP 2502571 A3 20130102; EP 2502571 B1 20170906; EP 2502572 A2 20120926; EP 2502572 A3 20130102; EP 2502572 B1 20241016; EP 2502573 A2 20120926; EP 2502573 A3 20151021; EP 2502573 B1 20200318; EP 2502574 A2 20120926; EP 2502574 A3 20160217; EP 2502574 B1 20210407; EP 2502575 A2 20120926; EP 2502575 A3 20160217; EP 2502575 B1 20180321; EP 2514370 A2 20121024; EP 2514370 A3 20151014; EP 2522281 A2 20121114; EP 2522281 A3 20150909; EP 2522281 B1 20180613; EP 2952141 A1 20151209; EP 2952141 B1 20170920; EP 3187122 A1 20170705; EP 3189793 A2 20170712; EP 3189793 A3 20171101; EP 3189793 B1 20190102; US 11234695 B2 20220201; US 12059150 B2 20240813; US 2007073341 A1 20070329; US 2007187453 A1 20070816; US 2008048002 A1 20080228; US 2008277447 A1 20081113; US 2010127040 A1 20100527; US 2012080475 A1 20120405; US 2012286020 A1 20121115; US 2013098964 A1 20130425; US 2015230791 A1 20150820; US 2019021729 A1 20190124; US 2022183679 A1 20220616; US 7404508 B2 20080729; US 7419080 B2 20080902; US 8034077 B2 20111011; US 8245898 B2 20120821; US 8695865 B2 20140415; US 8920435 B2 20141230; US 9848872 B2 20171226; US 9855038 B2 20180102; WO 2007016060 A2 20070208; WO 2007016060 A3 20090402; WO 2007016060 A8 20070510

DOCDB simple family (application)
US 49162606 A 20060724; AT 06800296 T 20060725; AU 2006275954 A 20060725; AU 2009201372 A 20090408; AU 2012203254 A 20120601; AU 2012501382 A 20150317; AU 2016231599 A 20160922; AU 2017200876 A 20170209; AU 2017276347 A 20171215; AU 2019202397 A 20190405; BR PI0614175 A 20060725; CA 2617299 A 20060725; CA 2680860 A 20060725; CA 2810329 A 20060725; CA 2915037 A 20060725; CA 3026517 A 20060725; CN 200680035337 A 20060725; CN 201210431587 A 20060725; DE 602006015474 T 20060725; EP 06800296 A 20060725; EP 10004893 A 20060725; EP 10007212 A 20060725; EP 12003870 A 20060725; EP 12003924 A 20060725; EP 12003925 A 20060725; EP 12003926 A 20060725; EP 12003957 A 20060725; EP 12003958 A 20060725; EP 12003959 A 20060725; EP 15172665 A 20060725; EP 17154820 A 20060725; EP 17155181 A 20060725; US 13914208 A 20080613; US 2006028752 W 20060725; US 201113228933 A 20110909; US 201213547968 A 20120712; US 201213654073 A 20121017;

US 201514682889 A 20150409; US 201816141565 A 20180925; US 202117645646 A 20211222; US 54025506 A 20060929;
US 54110506 A 20060929; US 63329209 A 20091208; US 84440607 A 20070824